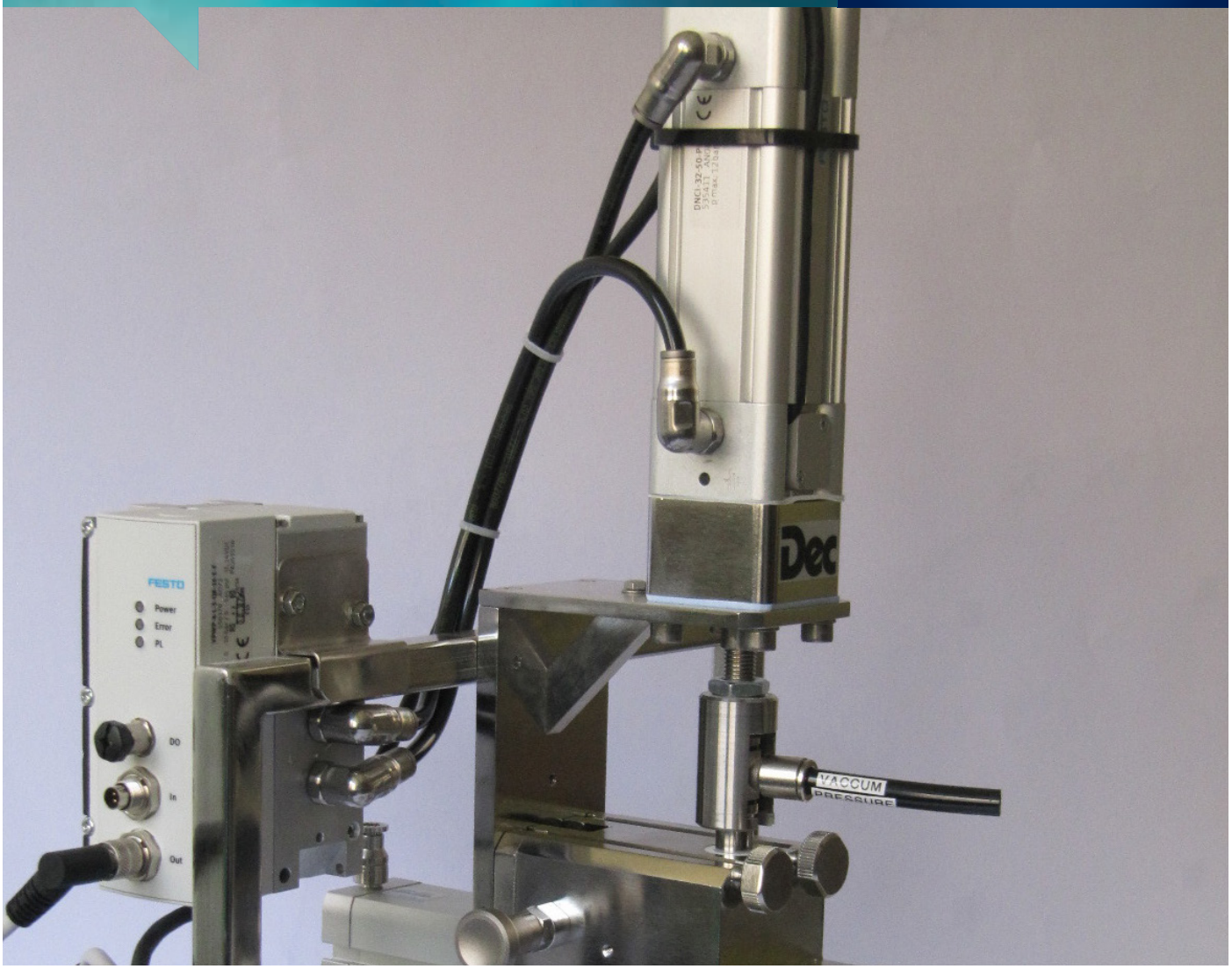
Microdosing
µPTS



- Safe powder discharge
- High containment OEB 5 (< 0.1 µg/m³)
- Integrated sampling, milling or dispensing
- Full heel removal
- System available with closed loop transfer to secondary processes
- Solid or flexible design
- Aseptic or non-aseptic versions
- Full CIP/SIP options

No Rotating Parts | No Gravity | Easy Cleaning | Operator Safety | High Containment | High Accuracy | | Explosion Proof

Unique technologies powered by advanced engineering

Dec True end-to-end®

Microdosing
µPTS

The patented µPTS is based on the PTS techThe technology and allows precise dosing of very nology small amounts (<1 mg) of powder in less than a second, with an accuracy reaching up to 2 % RSD. The product is filled in a calibrato calibrated chamber of adjustable volumes by the ted action of vacuum and emptied mechanicalaction mechanically by a piston.

The revolutionary system does not include any filter and can therefore handle very fine and/or sticky materials. A specially designed hopper allows to handle a large range of powders with difficult behaviours. The volupowders volume can be changed automatically by using me a linear motor which can be controlled in a close loop linked to a weighing device.

The system is very compact and versatile and can be easily dismantled. Another main advantage is its easy integration into dosing stations with multiple filling systems or products.

Performance

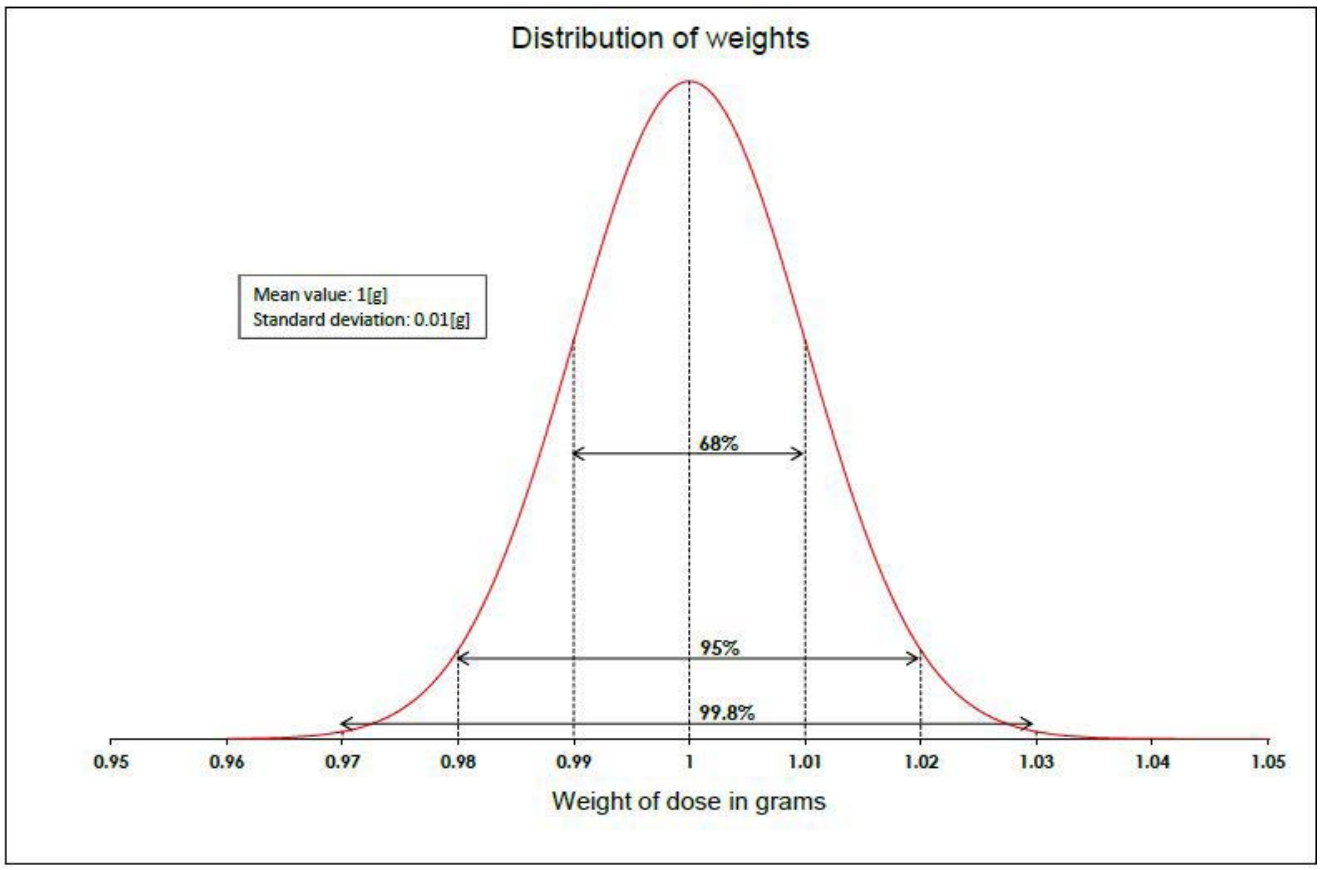
- Dosing range : <1- 500 mg
- Speed: 1-4 s
- Accuracy: 2 %
- Dose adjustment: Factor up to 5, on a single dosing device unit

Features

- No rotating or moving parts
- Very compact
- Dynamically adjustable volumes
- Hygienic design
- Fast, precise dosing process
- Volumetric and volumetric-gravimetric dosing
- Gravimetric or inline monitoring of each quantity of powder
- Simultaneous, multiple dosing

Design

- Metal parts: Stainless steel ISO 1.4435 or equivalent (AISI 316L), anodized aluminumaluminum
- Polymer components: 2002/72/EC and/or FDA compliantand/compliant



Dec Group Headquarters: Dietrich Engineering Consultants sa
Z.I. Larges Pièces A · Ch. du Dévent 3
1024 Ecublens · Switzerland
Tel +41 21 694 20 40 · Fax +41 21 694 20 59
info@dec-group.ch · www.dec-group.net

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